## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/21983

A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : H04L 12/56;H04J 3/02 US CL : 370/351,352,360,394,401,406,412,419					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/351,352,360,394,401,406,412,419,462,514					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST, WEST, IEEE, FAST, DERWENT					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap		1 8	Relevant to claim No.	
Y	US 6,185,203 B1 (BERMAN) 06 February 2001, col. 6, lines 39-43, col. 8, lines 39-60, col. 21, lines 53-56, col. 26, lines 61,62, col. 27, lines 1,2			1, 7	
Y	US 6,118,776 (BERMAN) 12 September 2000, col. 9, lines 24-28, col. 16, lines 54-64, col. 22, lines 34-47			1, 7	
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Furthe	r documents are listed in the continuation of Box C.		See patent family annex.		
*	Special categories of cited documents:	"T"	later document published after the internal date and not in conflict with the application		
	nt defining the general state of the art which is not considered to be		the principle or theory underlying the inv		
•	ular relevance	"X"	document of particular relevance; the cla	imed invention cannot be	
"E" earlier a date	pplication or patent published on or after the international filing		considered novel or cannot be considered step when the document is taken alone	to invoive an inventive	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art			
"O" document referring to an oral disclosure, use, exhibition or other means		<b>"</b> &"	document member of the same patent fan	nily	
"P" document published prior to the international filing date but later than the					
Date of the actual completion of the international search		Date of mailing of the international search report			
21 November 2005 (21.11.2005)			20 JAN 2005	1	
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